Interview Summary	Application No.	Applicant(s)	
	09/816,693	SECER, SEMIH	
	Examiner	Art Unit	
	Ramy M. Osman	2157	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Ramy M. Osman*.

(2) *Jacob Erlich (Reg No 24,338)*.

(3)*Kathleen Chapman (Reg No 46,094)*.

(4)_____.

Date of Interview: *8&16, August 2005*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☐ No.
If Yes, brief description: _____.

Claim(s) discussed: *1*.

Identification of prior art discussed: _____.

Agreement with respect to the claims f)☒ was reached. g)☐ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *Examiner Osman informed the Attorneys Erlich and Chapman that the claims are allowable pending that the behavior object in claim 1 is amended to be defined as a 'user-defined behavior object'. This is in order to reflect a similar scope of the other independent claims. Attorney Erlich confirmed that the applicant is willing to incorporate this limitation into claim1*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

_____
Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)
In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

PROPOSED AMENDMENT TO THE CLAIMS BASED ON TELEPHONE INTERVIEW WITH EXAMINER OF AUGUST 16, 2005

Summary

As a result of the conversation with the Examiner of August 16, 2005, a proposed amendment to the claims is provided to assist the Examiner in the preparation of an Examiner's Amendment and therefore place the application in condition for immediate allowance.

Status of the Claims

Claims 1-14, 17, 23-29, and 31-36 are currently pending in the present application.

Claims 1 and 23 are amended.

Claims 15-16, 18-22, and 30 have been canceled without prejudice.

Claim Amendments

Claim 1 has been amended at Examiner's request to include user-defined behavior objects. Claims 1,23 and 29 have been amended for typographical errors.

Proposed Amendments to the Claims

The listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of claims

Claim 1: (CURRENTLY AMENDED) A system for managing network elements of a network, said system comprising:

at least one network element;

a centralized management information base having at least one user-defined behavior object;

a management processor communicatively coupled to said management information base;

at least one gateway communicatively coupled to said management processor, said at least one gateway operable to manage said at least one network element; and

at least one object stored in said management ~~infomlation~~ information base defining management behavior for managing said at least one network element, said at least one object including a relationship attribute identifying said at least one gateway, wherein said management processor accesses said at least one object stored in said management information base and implements the management behavior defined by said at least one object in accordance with the relationship attribute included in said at least one object by communicating said at least one object to said at least one gateway identified by the relationship attribute of said at least one object, without said at least one gateway actively searching for said at least one object.

Claim 2: (ORIGINAL) The system of claim 1 further comprising:

software code executable by said management processor for generating a user interface with which a user can interact to define management behavior.

Claim 3: (ORIGINAL) The system of claim 2 wherein user-defined management behavior can be activated at run-time of said management processor.

Claim 4: (ORIGINAL) The system of claim 1 wherein said management behavior includes behavior associated with managing trap messages received from said at least one network element.

Claim 5: (ORIGINAL) The system of claim 1 wherein said management behavior includes behavior associated with managing polling activities.

Claim 6: (PREVIOUSLY PRESENTED) The system of claim 1 wherein said management behavior includes one or more behaviors selected from the group of:

generating an alert, logging information to a database, logging information to another system, initiating a polling activity, filtering information, performing suppression of information, performing correlation of information, performing thresholding, triggering an e-mail message, triggering a page, and any combination thereof.

Claim 7: (PREVIOUSLY PRESENTED) The system of claim 1 further comprising:

a plurality of network elements; and

a plurality of said gateways distributed on the network, each gateway operable to manage one or more of said plurality of network elements.

Claim 8: (ORIGINAL) The system of claim 7 further comprising:

a plurality of objects stored in said management information base each defining different management behavior.

Claim 9: (ORIGINAL) The system of claim 8 wherein each of said plurality of objects includes a relationship attribute identifying at least one of said plurality of gateways that is executable to perform management behavior defined by such object.

Claim 10: (ORIGINAL) The system of claim 8 wherein said management processor is operable to autonomously determine appropriate one or more of said plurality of gateways to which each of said objects relates, and wherein said management processor is operable to autonomously communicate one or more of said plurality of objects to the determined appropriate one or more of said plurality of gateways.

Claim 11: (ORIGINAL.) The system of claim 10 wherein the determined appropriate one or more of said plurality of gateways stores said one or more of said plurality of objects local thereto.

Claim 12: (ORIGINAL) The system of claim 10 wherein the said management processor is operable to autonomously communicate one or more of said plurality of objects to the

determined appropriate one or more of said plurality of gateways responsive to a user defining a new management behavior represented by said one or more of said plurality of objects.

Claim 13: (ORIGINAL) The system of claim 12 wherein said management processor executes to present a user interface to a user to enable said user to define management behavior thereby creating new objects to be stored in said management information base or modifying existing ones of said objects stored in said management information base.

Claim 14: (PREVIOUSLY PRESENTED) A method comprising:

implementing at least one gateway operable to manage one or more network elements of a network, said at least one gateway being communicatively coupled to a management processor;

defining a management behavior;

representing said management behavior as a behavior object;

storing said behavior object in a centralized information base communicatively coupled to said management processor;

said management processor determining an appropriate one or more of said at least one gateway that is to perform said defined management behavior; and

said management processor autonomously communicating said behavior object from the centralized information base to the one or more determined gateways without the one or more determined gateways actively searching for said behavior object.

Claim 15: (CANCELED)

Claim 16: (CANCELED)

Claim 17: (PREVIOUSLY PRESENTED) The method of claim 14 wherein said determining by the management processor further comprises:

said management processor identifying said appropriate one or more of said at least one gateway that is to perform said defined management behavior based at least in part on a

relationship attribute associated with said behavior object that specifies the appropriate one or more gateways.

Claim 18: (CANCELED)

Claim 19: (CANCELED)

Claim 20: (CANCELED)

Claim 21: (CANCELED)

Claim 22: (CANCELED)

Claim 23: (CURRENTLY AMENDED) The method of claim 17 wherein said determining by the management processor further comprises:

said management processor receiving input from a user identifying said appropriate one or more of said at [['east]] least one gateway [[that.]] that is to perform said defined management behavior; and

said management processor storing the said appropriate one or more of said at least one gateway in a relationship attribute associated with said behavior object.

Claim 24: (PREVIOUSLY PRESENTED) The method of claim 14 further comprising:

presenting a user interface to enable a user to perform said defining.

Claim 25: (ORIGINAL) The method of claim 14 wherein said management behavior includes behavior associated with managing trap messages received from said one or more network elements.

Claim 26: (ORIGINAL) The method of claim 14 wherein said management behavior includes behavior associated with managing polling activities.

Claim 27: (PREVIOUSLY PRESENTED) The method of claim 14 wherein said management behavior includes one or more behaviors selected from the group of:

generating an alert, logging information to a database, logging information to another system, initiating a polling activity, filtering information, performing suppression of Information, performing correlation of information, performing thresholding, triggering an e-mail message, triggering a page, and any combination thereof.

Claim 28: (PREVIOUSLY PRESENTED) The method of claim 14 further comprising:

activating said one or more determined gateways during run-time.

Claim 29: (CURRENTLY AMENDED) A system comprising:

plurality of distributed gateways each operable to manage one or more network elements, each of said distributed gateways comprising code executable in accordance with one or more behavior objects stored local thereto; and

a central management processor communicatively coupled to said distributed gateways and also communicatively coupled to an information base having user-defined behavior objects stored therein, wherein said central management processor executes a management process which autonomously determines one or more of said plurality of distributed gateways to which one or more of said user-defined behavior objects stored in said information base are to be communicated[[.]] and which causes said one or more of the user-defined behavior objects to be communicated and thereby stored locally in the determined one or more of said plurality of distributed gateways without the determined one or more of said plurality of distributed gateways actively searching for said one or more of the user-defined behavior objects, so that the code of said one of more of said plurality of distributed gateways executes in accordance with the communicated one or more of said user-defined behavior objects.

Claim 30: (CANCELED)

Claim 31: (PREVIOUSLY PRESENTED) The system of claim 29, wherein said one or more of said user-defined objects communicated to the determined one or more of said plurality of distributed gateways dictate proper management behavior for the determined one or more of said plurality of distributed gateways.

Claim 32: (ORIGINAL) The system of claim 29 wherein said central management processor executes a management process to communicate one or more of said user-defined behavior objects to one or more of said distributed gateways during run-time of said central management processor.

Claim 33: (ORIGINAL) The system of claim 32, wherein said one or more of said user-defined behavior objects communicated to said one or more of said distributed gateways dictate management behavior represented by said one or more of said user-defined behavior objects to be executed by said one or more of said distributed gateways.

Claim 34: (PREVIOUSLY PRESENTED) A system comprising:

a plurality of distributed gateways each operable to manage one or more network elements;

a central information base storing user-defined behavior objects, each behavior object having a relationship attribute identifying a distributed gateway of the plurality of distributed gateways to execute the respective behavior object, and each behavior object defining management behavior for managing the distributed gateway identified by the relationship attribute of the respective behavior object; and

a central management processor which, in accordance with the relationship attribute of a respective behavior object, communicates the respective behavior object stored in the information base to the distributed gateway identified by the relationship attribute of the respective behavior object, without the distributed gateway actively searching for the respective behavior object, so that the communicated behavior object is stored locally in, and then executed by, the distributed gateway.

Claim 35: (PREVIOUSLY PRESENTED) A system comprising:

a plurality of distributed gateways each operable to manage one or more network elements;

a central information base storing user-defined behavior objects, each behavior object having a relationship attribute identifying a distributed gateway of the plurality of distributed gateways to execute the respective behavior object, and each behavior object defining management behavior for managing the distributed gateway identified by the relationship attribute of the respective behavior object; and

means for, in accordance with the relationship attribute of a respective behavior object communicating the respective behavior object stored in the information base to the distributed gateway identified by the relationship of the respective behavior object without the distributed gateway actively searching for the respective behavior object, so that the communicated behavior object is stored locally in, and then executed by, the distributed gateway.

Claim 36: (PREVIOUSLY PRESENTED) A system comprising:

a plurality of distributed gateways each operable to manage one or more network elements;

a central information base storing user-defined behavior objects, each behavior object defining management behavior for managing a distributed gateway of the plurality of distributed gateways; and

a central management processor accessing a respective behavior object stored in the information base and causing the respective behavior object to be communicated to the distributed gateway for which the respective behavior object defines management behavior without the distributed gateway actively searching for the respective behavior object, so that the communicated behavior object is stored locally in, and then executed by, the distributed gateway.